

Nuclear Division News

• Vol. 12, No. 22 • November 5, 1981

Carbide announces World's Fair participation plans



FOR YOUNG AND NOT-SO-YOUNG — Union Carbide's "See How They Run" exhibit will be part of the Corporation's display at the World's Fair next May in Knoxville. More than 150 toys and games will be powered by Eveready ENERGIZER batteries, and the show, as seen above, delights children of all ages.

"See How They Run," an exhibition of battery-powered toys and games for both children and their parents, will highlight participation by Union Carbide Corporation in the 1982 World's Fair.

Union Carbide has contracted with the Knoxville International Energy Exposition for more than 4,000 square feet of space in the Technology and Lifestyle Center. "See How They Run" exhibit will be arranged to provide a hands-on opportunity for visitors to operate over 150 toys and games, all powered by the company's "Eveready" ENERGIZER batteries. The toys and games, including "learning devices" for introductory math and spelling, will be selected for the appeal to pre-schoolers and primary school children. Parents and older siblings will be free to try their hands also.

In keeping with the Fair's overall theme, "Energy Turns the World," the company's exhibit will also include a pictorial presentation of how Union Carbide uses hydrocarbons and electrical energy in its other businesses to produce the petrochemicals and plastics, industrial gases, carbon products and metals which contribute to present and future lifestyles throughout the world.

Union Carbide is the largest employer in Tennessee. In addition to the Nuclear Division, the company has facilities at several locations. Its Carbon Products Division, a world-wide leader in the manufacture of carbon and graphite products, has plants at Clarksville, Columbia and Lawrenceburg; Carbide's Films-Packaging Division produces cellulose casings at a plant in Loudon; and its Linde Division has industrial gas plants in Knoxville and Memphis.

Nuclear Division President Roger F. Hibbs is an active member of the Management Committee of the Knoxville International Energy Exposition. The Corporation has been active in its support of the World's Fair, and previously pledged \$100,000 as part of the \$2 million in the second tier private financing program for the fair.

In this issue...



A feature on avid scuba diver Tony Gabriel of ORNL and his family, including daughter Lisa (above), is found on page 5.

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New employee program offered; will be described in booklet

A new Nuclear Division program, the Salaried Employees Complaint Program, will soon be available and will be detailed in a booklet, "The Links of Communication," to be mailed to all salaried employees later this month.

The new program is designed to assist salaried employees with job-related questions, comments, suggestions or problems that may not be satisfactorily resolved through consultations with supervisors or higher levels of management, or that may be considered by the employee to be inappropriate or too sensitive to be discussed with his/her supervisor.

The purpose of the program is to make internal communication easier, and it is a system through which salaried employees may offer suggestions, register complaints or make comments with assurances that each one will receive full consideration.

The forthcoming booklet, "The Links of Communication," will explain the new program in detail, and special employee information meetings are also being held, but the basic facets of the program include:

(1) **Counseling.** The salaried

employees who have been designated as salaried employee counselors are identified in the respective booklets for each installation. A salaried employee may approach any of the counselors at his/her installation to discuss a job-related matter. The counselor will investigate the question, suggestion or problem, discuss it with line management as necessary and make every effort to help resolve the matter in the best interests of the employee and the Company.

(2) **Appeal.** If either the employee or the counselor is dissatisfied with the resolution of the issue, it may be appealed in writing to the division manager or director. If desired, the counselor will present the matter, in the employee's presence, to both the division manager or director and to the Employee Relations manager or director, who will be present in an advisory capacity. The division manager or director will review the complaint and render a decision in writing.

If the employee finds this discussion unsatisfactory, the final

(Please turn to page 8)

Still available

More than 1900 season pass certificates have been sold through the Nuclear Division. If you missed buying yours, you can still get them at the three credit union offices for \$55 and \$30. Check with your credit union for details and deadline dates.



More information on vitamin E

by T. A. Lincoln, M.D.

I received several comments and questions regarding my article on vitamin E toxicity that appeared in the August 13 issue of **Nuclear Division News**. To conserve space, they are summarized below with my comments.

One writer, for example, was offended by my use of the term "food faddist," and by my claim that there was not the "slightest evidence" to support many of the "magical" claims made for taking huge doses of vitamin E. "It offends the very people you are trying to convince. We have taken it for leg cramps, but your article gives us concern," the writer added.

Indiscriminate use

I apologize for offending any of my readers. With popular magazines and newspapers making extravagant and unfounded claims for "megadose" therapy with vitamin E, it seemed necessary to use forceful language. People need to understand the possible dangers resulting from the indiscriminate use of this vitamin.

According to the Oxford English Dictionary, a faddist is one "who indulges in fads." The term was apparently first defined in 1847 as "Fad - to be busy about trifles." There is no scientific evidence that consuming large amounts of vitamin E provides a proportionately increased benefit over the recommended dose. Therefore, I thought it reasonable to consider this practice a trifle or a fad. A fad also is a passing

fancy. Let us hope that the use of megadoses of vitamin E will pass.

Use of vegetable oils

A biochemist also chided me for misspelling tocopherol. He said I should have known that tocopherol is an alcohol and therefore must end in -ol rather than -al as I had used. An -al ending would mean that the compound was an aldehyde. Therefore, I failed in my last-minute proofreading! The manuscript was sent over the telephone from New York by facsimile transmission about four hours before my deadline. Haste makes waste, but I did know better.

Another reader wondered if vegetable oils were a good source of vitamin E. Modern processing, which uses a pasteurization process, may destroy much of the natural vitamin E. A textbook, *Modern Nutrition in Health and Diseases* (Fifth Edition), by Goodhart and Shills, says that losses of alpha tocopherol during cooking procedures and commercial processes are "quite substantial." However, according to a spokesman from a leading corn oil manufacturer, 80 to 85 percent of vitamin E is maintained through the processing of the oil, and a heat deodorizing process is used. Thus, one tablespoon of corn oil contains 15 percent of the recommended daily allowance for vitamin E.

Other sources

The best dietary sources of vitamin E, other than vegetable oils, include green leafy vegetables, nuts,

legumes, dried beans, whole grain cereals and breads, liver, wheat germ and rice germ.

It is true that the average American diet does not contain as much vitamin E as was previously thought. This vitamin consists of both alpha tocopherol and gamma tocopherol, and previous analytical techniques did not distinguish between the two. Gamma tocopherol is only about 10 percent as biologically active as alpha tocopherol. American diets now contain more gamma tocopherol, because soybean oil, the most commonly used vegetable oil, contains about six times more gamma than alpha tocopherol.

Recommended allowance

Although it is highly unlikely, some young people who primarily eat

"junk food" possibly could have deficient levels of vitamin E. The established recommended daily allowance is 10 to 20 international units of total vitamin E activity. One can easily consume enough by following an average diet. If people are anxious that they are not receiving adequate amounts, they can supplement their diets with various vitamin E or multi-vitamin preparations. However, they should not take huge doses. This practice is wasteful and could be hazardous, because fat-soluble vitamins A, D and E are toxic when taken in large doses.

(Special thanks to Bonnie Casey of ORNL and Deborah Ainsman of UCC Headquarters, Medical Department consultant nutritionists, for their help with this article.)

News About People

Named outstanding alumnus at TSU

Stone N. Carr, supervisor of the Nuclear Division's Estimating Engineering Department, has been named "Outstanding Industrial Arts and Technology Alumnus" for 1981 by Tennessee State University. Carr was honored for service to TSU's

School of Engineering and to his community.

A native of Alcoa, Tenn., Carr received his BS degree in engineering from TSU in 1954. He has done graduate study at both the University of Tennessee-Knoxville and Vanderbilt University. Prior to joining the Nuclear Division in 1968, he served in the U.S. Army and worked for the Corps of Engineer's Philadelphia District and the Tennessee Valley Authority.

Carr previously managed nontechnical recruiting efforts in the Central Employment Office, and is currently corporate representative to the National Society of Black Engineers and the Tennessee State University Cluster.

He is a member of the American Association of Cost Engineers. He and his wife, Gloria, live in Rockford. They have three children.



Carr

Elected INMM regional chairman

Harvey C. Austin, a nuclear materials control supervisor in ORNL's Laboratory Protection Division, has been elected chairman of the Central Regional Chapter of the Institute of Nuclear Materials Management. The institute is a 700-member organization of individuals working in governmental, industrial and academic

institutions where nuclear materials are utilized. Its objective is to further the advancement of nuclear materials management. The newly formed Central Regional Chapter includes members from Illinois, Ohio, Indiana, Kentucky, Tennessee, Pennsylvania and Missouri.



Austin

UNION
CARBIDE

Published every other week
for employees such as:



C. Walt Anderson
Y-12 Accounting
and Budget.

Nuclear Division News

UNION CARBIDE CORPORATION
NUCLEAR DIVISION
Post Office Box Y
Oak Ridge, Tenn. 37830

EDITOR (Y-12)

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ASSOCIATE EDITOR (ORNL)
Cindy Ross Lundy, 574-4163

ORGDP

Ruby A. Miller, 574-8092

PADUCAH

Darlene M. Mazzone, Bell 208



INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS



"Quality assurance
leaves no room for guess
work." (Submitted by
Larry D. Snow, Y-12
Plant.)



Christine S. Travaglini



James L. Kolling



Michael R. Bradshaw



H. Mason Oakes

Finance, auditing changes listed

Four appointments to positions within the Nuclear Division have been announced. The appointments are as follows:

- **Christine S. Travaglini** has been named Manager of Finance, Materials and Services at the Oak Ridge Gaseous Diffusion Plant;

- **James L. Kolling** succeeds Travaglini as Manager of Auditing for the Nuclear Division;

- **Michael R. Bradshaw** has been appointed Manager of the Materials Management Information System for the Nuclear Division; and

- **H. Mason Oakes** has been named Manager of Finance and Materials for Y-12.

Travaglini joined the Nuclear Division in 1972 as an accounting trainee and later that year was promoted to an auditor position. She became an audit supervisor in 1973.

She was graduated from the University of Tennessee where she received a bachelor of science degree in business administration and a master's degree in industrial management. She was an accountant at the University of Tennessee before joining Union Carbide.

She is married to Arthur L. Travaglini, and they have three children. The Travaglinis live at 175 Manhattan Ave., Oak Ridge.

Kolling, a native of Pittsburgh, Pa., received his bachelor's degree in business administration from Duquesne University and his master's degree in the same subject from Michigan State University.

He joined the Nuclear Division in 1978 as an audit supervisor in the Auditing Division. Prior to joining Carbide, he served for 24 years with the Air Force, retiring with the rank of lieutenant colonel. Kolling and his wife, Mary, live at 132 Connors Drive, Oak Ridge. They have 10 children.

Bradshaw, a native of Jefferson City, Tenn., was graduated from Carson Newman College in Jefferson City with a bachelor of science in business administration.

Following graduation in 1964 he joined the Nuclear Division where he has assumed positions of increased responsibility over the years. He was appointed manager of Budgeting and Accounting at Y-12 in 1977.

Bradshaw and his wife, Sandy, and their two sons live at 9009 Shallowford Road, Knoxville.

Oakes, a native of Marion, Ala., received his bachelor's degree in business administration from Auburn University. He joined Union Carbide in Oak Ridge in 1968. He was a department head in the Finance, Materials and Services Division at ORGDP immediately prior to being named head of that division in 1980.

Oakes and his wife, Ralphine, live at 133 Georgia Avenue, Oak Ridge. They have two daughters.

Ragland named director of administrative services



W. Ronald Ragland

W. Ronald Ragland has been appointed director of Administrative Services at ORNL.

In addition to his continuing duties as director of the Finance and Materials Division, Ragland will assume overall responsibilities for the following administrative services: Laboratory Protection; Quality Assurance; and Facility Planning.

Ragland, a native of McKenzie, Tenn., received his BS degree in industrial management from the University of Tennessee. He joined Union Carbide in 1960 as a materials engineer in the Technical Division at Y-12.

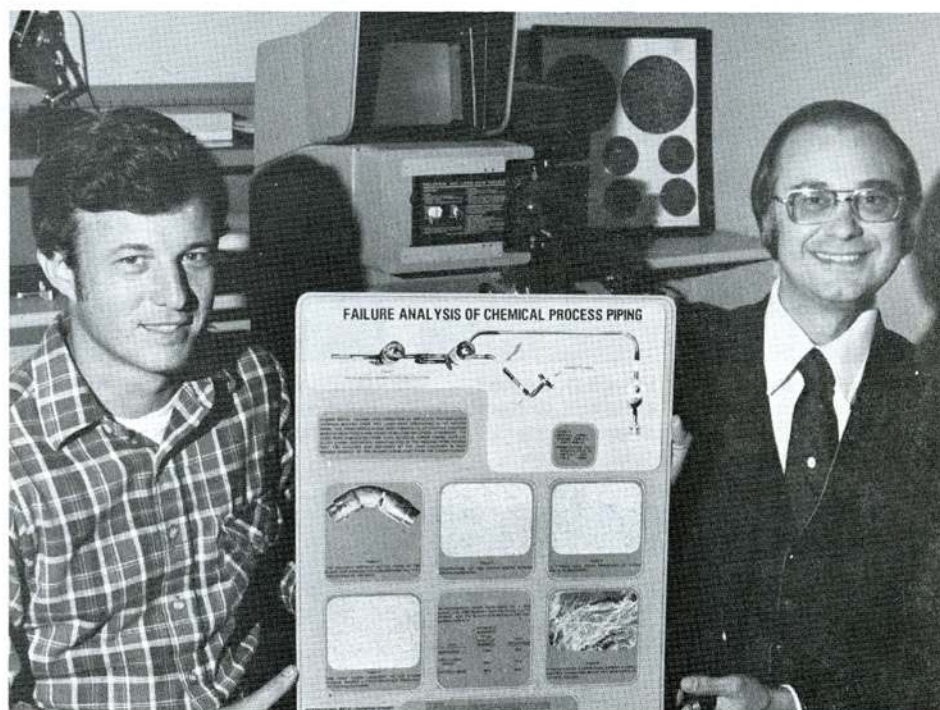
While at Y-12, Ragland worked as a laboratory supervisor, certification specialist and project engineer, before being named a department head in the Product Engineering Division. In 1971 he became superintendent of the Accounting and Budget Division, and joined the ORNL staff two years later as Finance and Materials Division Director.

Ragland is active in many civic organizations, including the Farragut Optimist Club and the United Way of Greater Knoxville. He is commissioner and treasurer of the First Utility District of Knox County and a pilot in the Civil Air Patrol.

He and his wife, the former Barbara Sproles, live at 11736 Weather-vane Drive, Farragut. They have one son.

Foothills Craft show...

The Foothills Craft Guild show will be held Friday, Saturday and Sunday, November 6, 7 and 8 at the Civic Center in Oak Ridge. Hours Friday and Saturday are from 10 a.m. until 9 p.m.; and Sunday from 1 to 6 p.m.



METALLOGRAPHY AWARD — W. Scott Eatherly and Steven J. Dekanich, ORGDP's Technical Services Division, received a "second-in-class" award during the 1981 International Metallographic Exhibit competition in California. The exhibit, sponsored jointly by the International Metallographic Society and the American Society for Metals, included entries from all over the world covering almost every field of optical, electron and color microscopy. Eatherly and Dekanich are shown with their award-winning exhibit which demonstrates a detailed failure analysis of copper tubing which failed by fatigue.

Next issue...

The next issue will be dated November 19. The deadline is November 11.

Service Anniversaries

Y-12

35 YEARS

John P. Jones, Process Maintenance; and Margaret R. Wise, Law Department.

30 YEARS

Perry Bullard, General Shops; Everette N. Rogers, Weld Inspection; Aaron C. Rutenberg, Plant Laboratory; James W. Doane, Plant Tooling Coordination; Darrell E. Doane, Materials Shop; Monroe C. Davis, Building Services; William J. Sims, Buildings, Ground and Maintenance Services; Anne I. Fitzgerald, Plant Records; Sewell Howard, Buildings, Grounds and Maintenance Services; Eugene E. Mauney, Buildings, Grounds and Maintenance Services; Terry V. Williams, Electrical and Electronics; Jerome Taylor, Building Services; Walter D. Humphrey Jr., Process Maintenance; J. V. Gilbert Hawkins, Process Maintenance; Charles E. Wuest, Dimensional Inspection Engineering; William

King, Process Maintenance; Robert P. Waldrop, Metal Preparation Division; William C. Hoppe Jr., Accounting and Budget; Howard Loveday, Stores Department; John S. Steward, Alpha 5 West Shop; Lawson L. Wilcoxon, Material Transfer and Packing; Joyce A. Williamson and Byron D. North, both of Engineering.

25 YEARS

Howell D. M. Abele and Charlie O. Kirby.

20 YEARS

Dorothy W. Howell, Betty F. Walker, Ralph E. Cooper and Glen D. Adkins.

ORGDP

35 YEARS

Mary C. Denton, Maintenance; Harold B. Gunter, Maintenance; and Sebastian W. Palmer, Separation Systems.

30 YEARS

James A. Barker, Plant Managers;

Harold Bowman, Maintenance; Courtney L. Buskirk, Technical Services; Donald L. Gray, Enrichment Technology; James R. Gray, Engineering; Herbert H. Greene, Maintenance; Willie K. Johnson, Maintenance; James A. Jones, Barrier Manufacturing; Grady E. Lassiter, Enrichment Technology; Clyde E. Mathews, Operations; Walter E. Prater, General Accounting; Charles R. Read, Purchasing; John D. Weaver, Maintenance; and Charles E. Williams, Computer Sciences.

25 YEARS

Mary P. Phillips and Roy C. Taylor.

20 YEARS

Carl Neu Jr., Boone G. Preece and Clifton D. Versteegh.

ORNL

35 YEARS

Charles C. Hurt, Engineering Technology; George Reed, Plant and Equipment; James W. Brashier, Plant and Equipment; John W. Dabbs, Physics; Jo L. Long, Informa-

tion; and Henry C. Savage, Chemical Technology.

30 YEARS

George C. Guerrant, Instrumentation and Controls; Alvin R. Irvine, Chemical Technology; Ernestine R. Kackenmester, Information; Arthur S. Dworkin, Chemistry; Paul E. Easter, Finance and Materials; Elizabeth B. Howard, Information; William H. Culbert, Operations; and John J. Manning, Engineering Physics.

25 YEARS

Bobby J. Copeland, James H. Shaffer, Richard B. Malcolm, James M. Odom Jr., Rodney W. Knight, Wilma B. Greene, William E. Davis, James L. Scott, David C. Watkin and Raymond C. Wymer.

20 YEARS

Dale E. Heatherly, Harvel A. Wright, Lawanda E. Klobe, Marvin L. Poutsma, Herbert L. Mitchell, Robert L. Smith, Charles P. Haltom, Roy L. Shipp Jr., Marion E. Zeigler and Arville H. Patrick.

Recent Retirements



(Many of these employees will be retiring December 31.)



William S. Caruthers
Electrical, Electronics
Y-12
36 years service



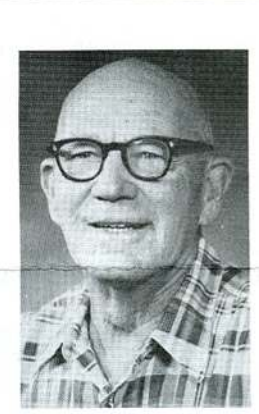
Robert E. Lampton
Engineering
ORNL
29 years service



Orby R. Sanders
Separation Systems
ORGDP
10 years service



Richard E. Mapes
Plant and Equipment
ORNL
34 years service



Sam P. McCroskey
Biology
ORNL
35 years service



Howard Loveday
Stores Department
Y-12
30 years service



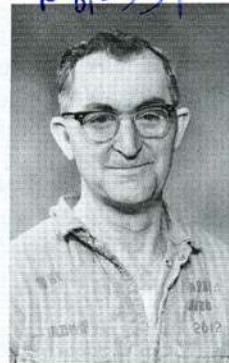
Harold D. Smith
Buildings, Grounds and
Maintenance
Y-12
38 years service



James L. Garner
Buildings, Grounds and
Maintenance
Y-12
27 years service



Robert E. Baker
Electrical, Electronics
Y-12
28 years service



James L. Watkins
Research Services
Y-12
33 years service



Robert S. Hopper
Buildings, Grounds and
Maintenance
Y-12
30 years service



Paul Abner
Process Maintenance
Y-12
31 years service



Hence Mitchell
Materials Delivery
Y-12
30 years service



Alvin C. Wood
Buildings, Grounds and
Maintenance
Y-12
30 years service



Doris H. Beams
Safety Department
Y-12
14 years service



Charles R. Lively
Guard Department
Y-12
37 years service



William A. Newman
Process Maintenance
Y-12
31 years service

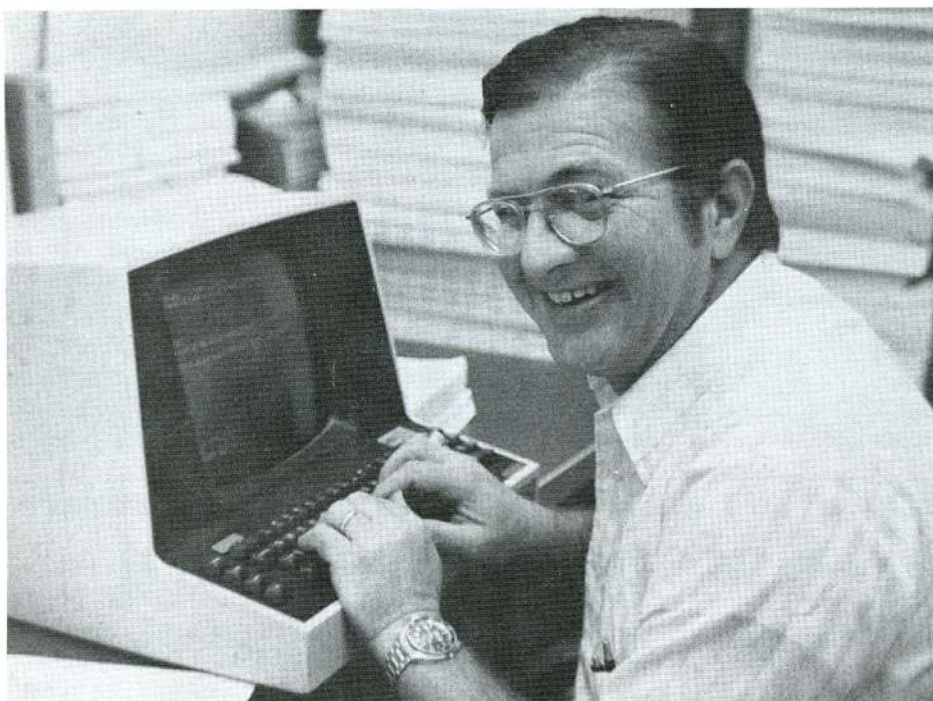


James R. Moyer
Buildings, Grounds and
Maintenance
Y-12
25 years service



Emmett L. Moore
Fire Department
Y-12
34 years service

Gabriel gets a big splash out of scuba diving



by Lisa Maddox

The sight of Tony A. Gabriel typing at his remote terminal in his office in ORNL's Neutron Physics Building is a familiar one. But after working hours, the "real" Tony Gabriel emerges — a scuba diving enthusiast known to hundreds of divers in East Tennessee.

Gabriel, a senior research staff member in the applied physics and fusion reactor neutronics department of the Engineering Physics Division, has been diving for over five years. He has taken many courses in SCUBA (self-contained underwater breathing apparatus) diving, and is now an instructor of the sport. He took his basic scuba training at the University of Tennessee in 1977, received his instructor certification last fall and already has helped to certify over 100 divers.

"I grew up in the Lloyd Bridges era ... you know, Sea Hunt."

When asked how he became interested in the underwater sport, Gabriel replies, "I've always wanted to dive. I grew up in the Lloyd Bridges era...you know, Sea Hunt." He adds that scuba diving is only one of his water sports interests, which include swimming and hang-gliding behind his boat.



PEEKABOO — Lisa Gabriel, 13, gets ready for the big plunge at Peacock Springs.

Gabriel's wife, Janet, enjoys scuba diving with him. The couple took the courses together, and they indulge in several diving trips each year. Their daughter, Lisa, 13, also participates in the sport and recently received her junior certification. Mark Gabriel is still waiting his turn to follow in his father's footsteps. "At six, he's too young for even a junior certification like Lisa's," Gabriel remarks.

Ocean diving provides clearer water for visibility of 50 to 100 feet.

Gabriel mainly dives in lakes and quarries in East Tennessee, in oceans and in springs in northern Florida. They are all different, according to Gabriel.

The lakes usually are very cold with poor visibility. Gabriel says divers should wear wetsuits whenever the water is less than 80°F to avoid developing hypothermia, although the water is warmer during summer.

Ocean diving, which Gabriel does mostly in the late spring and summer, provides clearer water for visibility of 50 to 100 feet. The variety of aquatic life such as plants, fish and coral is much greater in the ocean, too.

"Scuba diving is like going on a treasure hunt."

He says he also enjoys spring diving, which provides the clearest water, with a maximum visibility of 200 feet, and a good selection of aquatic life. He has taken many students to the springs for their first open-water diving experiences. Popular areas include Peacock Springs, Orange Springs, Royal Springs, Jenny Springs and Madison Blue Springs, all near Branford, Fla.

What's so great about scuba diving anyway? Gabriel says, "it's like going on a treasure hunt." He often finds coins and other items underwater.



SPRING DIVING — Here is Gabriel, right, taking students for their first open-water dives at Peacock Springs earlier this year.



EXPLORING — Gabriel is underwater at Jenny Springs, checking out the surroundings in full gear.

Gabriel is very active in training others. He says that through the concentrated efforts of the Professional Association of Diving Instructors, the National Association of Underwater Instructors, the Young Men's Christian Association and other certifying agencies to provide proper scuba diving instruction, the sport has become one of the safest around. "The accident rate is very low," he says.

ORNL Director Herman Postma, also a scuba diver, was instrumental in getting scuba lessons started in Oak Ridge. He says, "I felt Oak Ridge shouldn't have to go to Knoxville for instruction, and there would be a large interest here." Postma has been diving since 1976 and got les-

sons underway at the Oak Ridge Civic Center in 1978.

The deepest that Gabriel ever dove is about 120 feet; the average dive is in 20 to 50 feet of water. The longest he has ever stayed under water is about an hour, while the usual dive lasts from 20 to 40 minutes. "How long you stay under depends on how deep you go," he explains.

In Gabriel's five years of diving, he has made about 400 open-water dives, and now averages at least one each week. Ocean diving has accounted for about 10 percent of his diving, while some 30 percent have been devoted to lakes and quarries, with the remaining 60 percent done in Florida springs.



TO NEW ENGLAND — UCC retirees recently took two buses into New England to enjoy the fall colors. 'Terrific' was the word.

Bowling alley notes...

UCC Mixed...

The Squeakers hold a comfortable lead in the UCC Mixed League, ahead of the No Names and Pin Strikes. Dave Mosley's 703 handicap series is high, as is Donna Hill's 670. Mosley also holds high single, 272; while Linda Burmett's 256 is high.

C League...

The Badgers hold a margin in the C Bowling League, out in front of the Big Orange and Sunflowers. William Johnson's 233 scratch, 266 handicap game, highlighted recent rolling. Hug B. Cox converted the 4-10 split to make the evening more exciting. John T. Patton's 585 scratch series was high; Ron Sy's 653 handicap series was also high.

Wednesday Night...

The Alley Rads are safe leaders in the Wednesday Night League, rolling past the ???'s and Sues Sooners. Tom Kitchings' 243 scratch game; Ray Smith's 605 scratch series were highs for the week. In handicap scoring it was Charles Ferguson, with a top single of 262; Bob Rickard with a 687 handicap series.

Monday Mixed...

The Omegas are new leaders in the Monday Mixed League, rolling past the Champs and Soul Strikers. Cheryl Womack, Four Eagles; and Tom Elliott, Blonde Bombers; hold highest averages...Womack's at 172; Elliott's at 169. They both rolled recent highs...Elliott posting a 595 series; Womack a 564, both in scratch scoring.

K-25 Tuesday...

The Fearless Five stand heads above the All Stars and The Team in K-25 Tuesday League, rolling well of late. Martin Ginsburg took week's highs recently, rolling a 596 series, a 244 single. Handicap highs went to J. K. Phillips, posting a 669 series.

Y-12 Classic...

The Tigers tore into first place in the Y-12 Classic League recently, outpacing the Splinters and Kingpins. Bill Mee took a 283 handicap single; Billy Patrick's 727 handicap series still stands high. Doc McCarty and Secretary Sewell Brown boast high averages, both at 190.

APPLICATION FOR TICKETS

PADUCAH CARBIDE CHILDREN'S CHRISTMAS PARTY

(For Children Ages 2-9)

SATURDAY, DECEMBER 12, 9 A.M.

(Doors will open at 8:30 a.m.)

ARCADE THEATRE, PADUCAH, KY.



Employee's Name _____ Badge No. _____

Home Address _____

(Please Print Street Address or RFD, City and Zip Code)

Number of your children who will attend the party (please list)

Name _____ (BOYS) Age _____ Name _____ (GIRLS) Age _____

Name _____ Age _____ Name _____ Age _____

Name _____ Age _____ Name _____ Age _____

NOTE Fill out form completely and return as soon as possible, to the Recreation Office, Union Carbide Corporation, P.O. Box 1410, Paducah, Ky. 42001. Tickets will be mailed to parents at their home addresses.

ORNL A...

Elwood's Chargers take a scant lead in the ORNL A League, rolling past the Limits and Gutterfinks. The Limits took a 3219 handicap series in mid-October. Bill Montgomery posted a 721 handicap series. Wayne McLaughlin rolled a 267 scratch, 302 handicap single, earning himself a century patch (100 pins above season average) from ABC. Dave Stacey holds an average of 196.

Safety Scoreboard

Time worked without a lost-time accident through October 29:

Y-12 Plant	20 Days	638,000 Employee-Hours
ORGDP	139 Days	3,835,828 Employee-Hours
ORNL	536 Days	12,617,561 Employee-Hours
Paducah	456 Days	4,176,994 Employee-Hours

Save Energy / Share The Ride

ORNL

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDER NEEDED from West Knoxville area (Bearden through Farragut) to main portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

CAR POOL RIDER NEEDED from West Knoxville, Cedar Bluff Shopping Center, to South and West Portals, 8-4:30. Jack Ranney, plant phone 4-7364; home phone 690-7766.

RIDE or WILL JOIN CAR POOL from old North Knoxville area to North Portal, 8-4:30 or 8:15-8:45. Kathy Gant, plant phone 4-5816; home phone Knoxville 523-6168.

WANTED: CAR POOL MEMBERS from Carrollwood/Lovell View area to South or East Portals, 8-4:30. Ward Jewell, plant phone 6-7660; home phone Knoxville 966-0183.

Y-12

RIDE or JOIN CAR POOL from Holston Shopping Center, East Knoxville, to West Portal, 8-4:30 shift. Charles Gaylor, plant phone 4-2391.

RIDE from North Knoxville, Upchurch and Inskip, to East Portal, straight day. J. A. Walden, plant phone 4-0532; home phone Knoxville 689-5379.

ORNL, Y-12 or ORGDP

EMPLOYEE/STUDENT needs car pool member for Tuesday and Thursday evening classes at UT. Kim Sneed, plant phone 6-4755; home phone 482-2754.

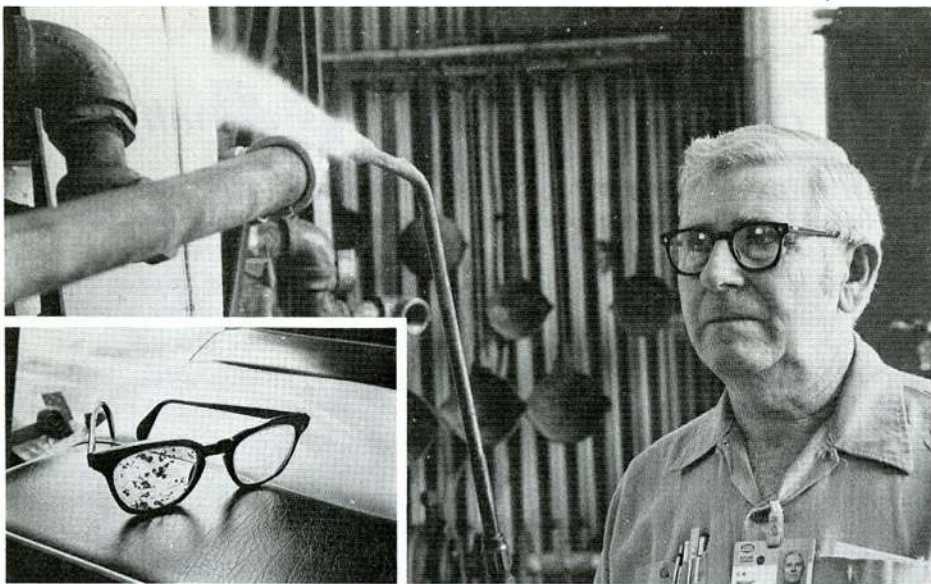
ORGDP

CAR POOL MEMBER needed from I-40 Walker Springs Exit to Portal 2 and K-1007; 7:45-4:15. Steve, plant phone 6-1894; home phone 690-6856 (evenings).

CAR POOL MEMBER from South Cedar Bluff/Stateview area, West Knoxville, to North or Central Portal, 8-4:30. Gary M. Henderson, plant phone 4-3593; home phone Knoxville 693-7887.



CASH FOR TRASH — Paducah employee Brenda Howard cashes in on the plant's Cash for Trash program. This week, the Paducah Plant Housekeeping Committee is discreetly attaching coupons worth money to various pieces of debris and garbage around the plant. These coupons, ranging from 50¢ to \$10, may be redeemed at the Shift Superintendent's Office, Bldg. C-300, during the campaign.



Wright is new member of Wise Owl Club

Clarence R. Wright, a leadburner in the ORNL Plant and Equipment Division, became the 38th P&E employee to join the Wise Owl Club, National Society to Prevent Blindness, Inc., when he prevented injury to his eye by wearing safety glasses. Wright was heating a 1½-inch

drain line from a lead furnace with a torch when a small hole gave way in the 90° cast-iron elbow in the line. Molten lead spewed out and hit Wright's cap, face and shirt. Although the right lens of the safety glasses was covered with congealed lead, his eye was free from injury.

Mr. Bailey, Y-12 electrician, dies

Harold R. Bailey, an electrician in the Maintenance Division at Y-12, died at the Oak Ridge Hospital October 21. A native of Georgia, he was a veteran of the U.S. Navy.

He joined Union Carbide in 1948. Survivors include his wife, Helen Wells Bailey, 122 Henley Road, Oak Ridge; his mother, Mamie Bailey; a son, Glen; brothers, Larry, M. F. and Kenneth Bailey; and two grandchildren.

Funeral services were held at Weatherford's Mortuary, with burial in Oak Ridge Memorial Park.



Mr. Bailey

The family has requested that any memorials be in the form of contributions to the Robertsville Baptist Church, Oak Ridge.

Melodie Albertson dies in car mishap



Miss Albertson

Melodie K. Albertson, an information processor in the Separation Systems Division at ORGDP, died in a car accident on October 25.

A native of Crookston, Minn., Miss Albertson joined the Nuclear Division in August. Survivors include her mother, Betty Albertson of Washington, Ind., and sister, Sheri Brown of Minnesota.

Funeral services were held October 29 at Rose Funeral Home in Knoxville, with interment in Indiana.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
June 81	19.3391	58.6257	12.7942
July 81	19.4914	57.6093	12.8188
August 81	19.6510	54.9160	12.2008
September 81	19.8058	48.3865	11.8043

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.75% for 1981. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Glenn named ORGDP captain

Floyd H. Glenn has been promoted to guard captain in ORGDP's Security and Plant Protection Division. A native of Strawberry Plains, he attended Community State College in Lake Tahoe, Nev.

In 1972, Glenn retired as a master sergeant after serving 22 years in the U.S. Army, where he received the Purple Heart, three Bronze Stars, the Cross of Gallantry and other honors.

Before joining the Nuclear Division in 1976, he worked as a Norris police officer and as a member of the Lake Tahoe bomb squad. Prior to his promotion, he was a lieutenant in ORGDP's Fire and Guard Department.



Glenn

Glenn and his wife, Katherine, live on Venido Drive, Knoxville. They have five grown children.

Witschi heads new Toxicology Section in Laboratory's Biology Division



Dr. Witschi

The creation of a new Toxicology Section within ORNL's Biology Division has been announced by Richard A. Griesemer, division director. The section, which is intended to implement a new ORNL initiative in the area of toxicology studies, will be headed by Hanspeter R. Witschi, M.D..

Work in the Toxicology Section will focus on the toxic effects of chemical substances involved in the commercial development of synfuels.

The new section was formed by dividing the Biology Division's

Cancer and Toxicology Section into two new sections, Toxicology and Carcinogenesis. R. J. Michael Fry, former head of the Cancer and Toxicology Section, will remain as head of the Carcinogenesis Section.

Dr. Witschi, a native of Berne, Switzerland, joined the Biology Division in 1977 after eight years on the faculty of medicine at the University of Montreal, Canada. He received the MD degree from the University of Berne in 1960.

He is a member of the Toxicology Study Section of the National Institutes of Health and a member of the Environmental Protection Agency's Scientific Review Panel for Health Research. A diplomate of the American Board of Toxicology, he is associate editor of the journal *Toxicology and Applied Pharmacology* and U.S. associate editor of *Toxicology*. In June he completed a term as a director of the Toxicology Laboratory Accreditation Board.

Dr. Witschi, his wife, Christine, and their two sons live at 1022 West Outer Drive, Oak Ridge.

Van Pelt heads ORNL Graphic Arts

William R. Van Pelt has been named head of the Graphic Arts Department in the Information Division at ORNL.

A native of Kenvir, Ky., Van Pelt joined Union Carbide in 1957 as an illustrator. He served in an administrative position and was a graphic arts group leader until his promotion.

Before joining Union Carbide, Van Pelt served with the U.S. Army in Washington, D.C., and later taught drafting courses at Harlan (Ky.) Area Vocational School.

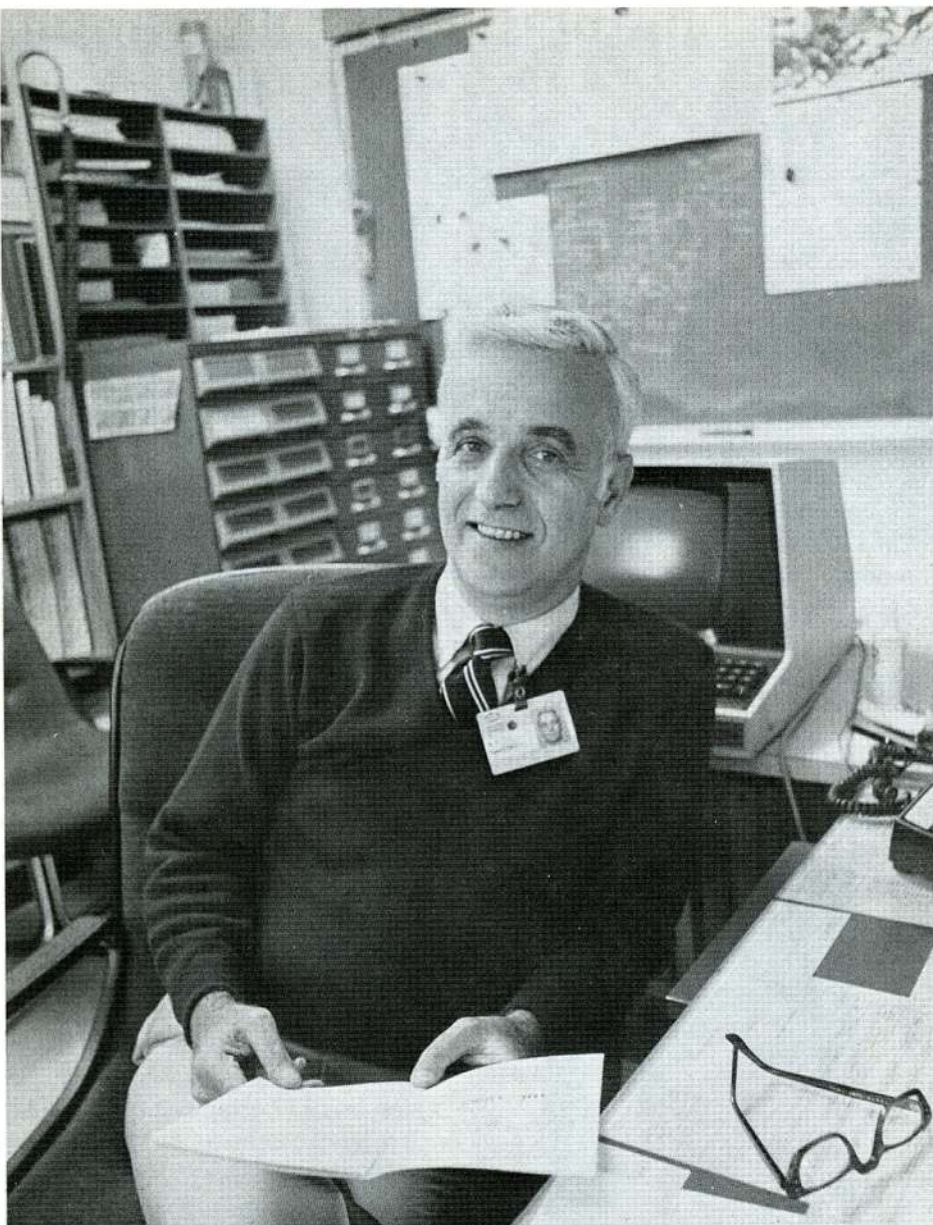
Van Pelt received his BS in industrial arts at Eastern Kentucky University, and is a member of International Graphics, Inc.



Van Pelt

He resides in Clinton with his wife, the former Audrey Cawood, and their two children.

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TO ASSIST WITH NEW PROGRAM — Robert T. Santoro, ORNL Engineering Physics Division, looks over one of the new "Links of Communication" brochures to be mailed soon to Division salaried employees. He is among several employees who will serve as counselors for the Salaried Employees Complaint Program.

New employee program

(Continued from page 1)

recourse is to appeal to the appropriate installation manager or director, who will review the facts of the case and render a final decision in writing. (Suspensions or discharges may be appealed directly to the installation manager or director.)

(3) **Commitment.** This program is based on a guarantee that employees may pursue any issue without fear of reprisal. The program counselors are committed to protecting the employees' interests, with the full

support of Nuclear Division management.

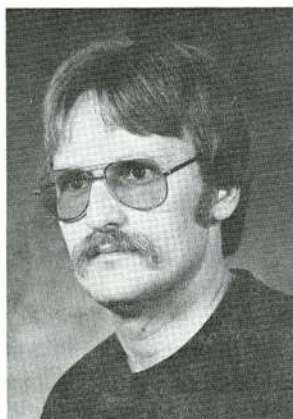
"The Links of Communication" brochure outlines other key communications programs already in effect in the Nuclear Division, including the Open Door Policy, Informational Meetings, **Nuclear Division News** Question Box, Performance Review Program, Affirmative Action Representatives and General Distribution Correspondence (letters to homes and bulletin board notices).

DeVaney promoted in Operations

Albert Dean DeVaney has been named a nuclear reactor supervisor in the Operations Division at ORNL.

DeVaney, who has been with Union Carbide since 1974, started as a janitor. In 1976, he became a nuclear reactor controller in the Operations Division at ORNL, leading to his present position.

DeVaney attended Roane State Community College, where he received training in electronics technology. He resides at 300 Ridgeway Drive in Oliver Springs.



DeVaney

Question Box

Who decides when flag flies at half-mast?

QUESTION: Who decides when the flag is to be flown at half-mast at ORNL? How was justification made to fly it at half-mast September 10 and 11 for Roy Wilkins?

ANSWER: The Washington, D.C., headquarters of the General Services Administration of the United States Government determines when the United States flag is to be flown at half-mast to honor prominent national figures at the time of their death or for other periods of official mourning. The GSA makes notification to DOE, Oak Ridge Operations, which in turn notifies the Laboratory Shift Supervisor of the dates when the flag is to be displayed at half-mast.

Asbestos dangers

QUESTION: Why hasn't the Nuclear Division presented any safety meetings on the dangers of asbestos (and asbestosis) for personnel at ORNL?

ANSWER: A general series of safety meetings on the subject of asbestos and asbestosis has not been held Laboratory-wide since the exposure potential is relatively low

and limited to those employees working with friable asbestos or asbestos-containing materials. Such work primarily involves the demolition of old insulated systems. There is a comprehensive procedure in the ORNL Environmental Protection Manual which details responsibilities and provides health protection guidelines for work with asbestos or asbestos-containing materials. Although the subject has been discussed in a number of safety meetings, primarily in the Plant and Equipment Division, it would be an appropriate subject for review and discussion at any group safety meeting. Technical assistance is available from the Industrial Hygiene and the Environmental Management Departments.

Fair participation

QUESTION: Union Carbide and Oak Ridge are known worldwide as leaders in energy research. To date I have noticed that neither is listed as an exhibitor or sponsor in the 1982 World's Fair, the Energy Exposition. Why not?

ANSWER: See the story on this in this issue of *Nuclear Division News*.

Schilling to new post at ORGDP




Schilling

Robert M. Schilling Jr. has been named manager of Systems Integration in the Separation Systems Division at ORGDP.

Schilling, a native of Schenectady, N.Y., received a BS degree in mechanical engineering from Virginia Polytechnic Institute in 1963 and an MBA from the University of Tennessee in 1969.

He joined the Nuclear Division in 1963 after working for General Electric Company and Chrysler Aerospace. From 1977 to 1979, Schilling managed the fabrication and assembly of centrifuges for pilot plant operation. His most recent position was as program manager of equipment problem investigations and reliability support in the Separation Systems Division.

Schilling, his wife, Carolyn, and their three children live on Newcrest Lane in Oak Ridge.



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